

10/539162

PCT/EP 02/14777

According to International Patent Classification (IPC) or to both national classification and IPC

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WO 85 01814 A (TEXT SCIENCES CORP.) 25 April 1985 (1985-04-25)</p> <p>abstract page 5, line 11 -page 12, line 3; figures 1-5</p> <p style="text-align: center;">— -/-</p>	<p>1-4, 7, 11, 12, 14, 16, 20-23, 25, 26, 30, 35</p>

☒ Further documents are listed in the continuation of box C.

Y Patent family members are listed in annex.

* Special categories of cited documents :

- "A"** document defining the general state of the art which is not considered to be of particular relevance
- "E"** earlier document but published on or after the international filing date
- "L"** document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O"** document referring to an oral disclosure, use, exhibition or other means
- "P"** document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "Z" document member of the same patent family

Date of the actual completion of the international search

6 August 2003

Date of mailing of the international search report

13/08/2003

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Taylor, P

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 02/14777

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 4 500 955 A (CHANG) 19 February 1985 (1985-02-19)</p> <p>column 1, line 28 - line 41 column 3, line 49 -column 6, line 57 column 7, line 52 -column 8, line 4; figures 1,3</p>	<p>1-4,7, 11,14, 16, 20-23, 25,26, 29,30,35</p>
A	<p>EP 1 035 712 A (NOKIA MOBILE PHONES LTD.) 13 September 2000 (2000-09-13)</p> <p>page 2, line 3 - line 25 page 3, line 30 -page 4, line 23; figures 1-4</p>	<p>1,2,6,7, 13,14, 16,17</p>
A	<p>EP 0 930 760 A (NOKIA MOBILE PHONES LTD.) 21 July 1999 (1999-07-21) page 2, line 28 - line 41 page 7, line 12 - line 25</p>	<p>1,2,6,7, 14,16,17</p>

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 02/14777

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 8501814	A	25-04-1985	CA 1226369 A1	01-09-1987
			EP 0160672 A1	13-11-1985
			IT 1180100 B	23-09-1987
			JP 61500345 T	27-02-1986
			WO 8501814 A1	25-04-1985
US 4500955	A	19-02-1985	DE 3277039 D1	24-09-1987
			EP 0083420 A2	13-07-1983
			JP 58119032 A	15-07-1983
EP 1035712	A	13-09-2000	GB 2347247 A	30-08-2000
			CN 1269685 A	11-10-2000
			DE 60002252 D1	28-05-2003
			EP 1035712 A2	13-09-2000
			JP 2000250694 A	14-09-2000
			US 6542170 B1	01-04-2003
EP 930760	A	21-07-1999	GB 2333386 A	21-07-1999
			CN 1229316 A	22-09-1999
			EP 0930760 A2	21-07-1999
			JP 2000003250 A	07-01-2000
			US 2003017858 A1	23-01-2003
			US 6487424 B1	26-11-2002